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The Connecticut Agricultural Experiment Station.

NEW HAVEN, CONN.

BULLETIN No. 92.

SEPTEMBER, 1887.

The following Bulletin contains a list of all those fertilizers on which an analysis fee has been paid during the present year, as required by law. It also contains analyses and valuations of all the ammoniated superphosphates, guanos, and special fertilizers which have been sampled by agents of the Station since January of this year from stock in the hands of retail dealers in Connecticut.

The retail cash price of the same fertilizer as quoted by different dealers varies in some cases considerably, partly on account of differences in freight-rates, presence or absence of competition, etc. With the various *dealers'* quotations is also given for comparison the *manufacturers'* statement of the average retail cash price per ton in the State. The cash prices are usually about five per cent. lower than the credit or "time" prices.

The last column of the table of analysis is "Percentage Difference between Cost and Valuation." Its significance and the method of calculating it may be seen by noticing the fourth analysis in the table on page 13, No. 2046. Here the cost is \$28, the valuation is \$26.65, and the difference between them is \$1.35. By multiplying this difference, \$1.35, by 100, and dividing it by the

valuation, \$26.65, we get the percentage advance of selling price over valuation, which advance should represent the costs and profits of the manufacturer in converting the raw materials into a mixed fertilizer, selling it and collecting on his sales.

No. 2119 is an average of three closely agreeing analyses of Victor Phosphate. This is a brand made for the Apothecaries Hall Co., Waterbury, by a fertilizer company outside the State. The analyses proved that the goods were not what the Apothecaries Hall Co. had guaranteed or ordered, and for that reason the price is less than it was in 1886.

OBSERVANCE OF THE FERTILIZER LAW.

MANUFACTURERS who have paid Analysis Fees as required by the Fertilizer Law, and Fertilizers for which the Fees have been paid for the year ending May, 1888.

<i>Firm.</i>	<i>Brand of Fertilizer.</i>
Adams, Wm. P., 248 Front St., N. Y.	Adams' Ammoniated Bone Superphos.
Adams & Thomas, Springfield, Mass.	Adams' Market Bone Fertilizer.
American Oil Co., 18 Broadway, N. Y.	Cotton Hull Ashes.
Apothecaries Hall Co., Waterbury, Conn.	Victor Phosphate.
H. J. Baker & Bro., 215 Pearl St., N. Y.	A. A. Ammoniated Superphosphate.
	Pelican Bone Fertilizer.
	Potato Fertilizer.
	Corn Fertilizer.
	Strictly Pure Ground Bone
	Castor Pomace.
	Ground Bone.
	Stockbridge Grain Manure.
	" Forage Crop Manure.
	" Vegetable Manure.
Bennett, P. W., Rockfall, Conn.	Bowker's Hill and Drill Posphate.
Bowker Fertilizer Co., 43 Chatham St., Boston, Mass.	" Fish and Potash.
	" Ammoniated Dissolved Bone.
	" Dry Fish.
Bradley Fertilizer Co., 27 Kilby Street, Boston, Mass.	Bradley's Complete Manure for Potatoes and Vegetables.
	Bradley's Complete Manure for Corn and Grain.
	Bradley's Complete Manure for Top Dressing Grass and Grain.
	Bradley's Superphosphate.
	B. D. Sea Fowl Guano.
	Original Coe's Superphosphate.
	Circle Brand Ground Bone and Potash.
	Bradley's Potato Manure.
	Farmer's New Method Fertilizer.
	Pure Fine Ground Bone.
	Fish and Potash, Anchor Brand.
	" " " Triangle A Brand.

<i>Firm.</i>	<i>Brand of Fertilizer.</i>
Clark's Cove, Guano Co., New Bedford, Mass.	Bay State Fertilizer. Unicorn Ammoniated Superphosphate. King Phillip Alkaline Guano. Great Planet A Fertilizer. " " B "
Coe, E. Frank, 16 Burling Slip, N. Y.	High Grade Ammoniated Bone Superphosphate. Alkaline Bone. Red Brand Excelsior Guano. Ground Bone. Fish and Potash. Ammoniated Bone Superphosphate. Collier Castor Pomace.
Coe, Russell, Tremley, N. J.	Common Sense Fertilizer, No. 2. " " " No. 22.
Collier White Lead & Oil Co., St. Louis, Mo., by F. Ellsworth, Hartford, Conn.	Peter Cooper's Bone Dust.
Common Sense Fertilizer Co., 42 Congress St., Boston, Mass.	Ammoniated Bone Superphosphate. Potato, Hop and Tobacco Phosphate. Queen City Phosphate. Pure Ground Bone.
Cooper's, Peter, Glue Factory, 17 Burling Slip, New York.	Cumberland Superphosphate.
Crocker's Fertilizer & Chemical Works, Buffalo, N. Y.	The Improved Blood Guano.
Cumberland Bone Co., Portland, Me.	Darling's Animal Fertilizer. " Extra Phosphate. " Pure Fine Bone.
Dambmann Bros. & Co., 13 German St., Baltimore, Md.	Ammoniated Bone Phosphate. Fish and Potash.
Darling, L. B., Fertilizer Co., Pawtucket, R. I.	Potato Fertilizer. Standard Phosphate. Ammoniated Dissolved Bone. Ground Bone.
Dickenson, D. B., Middle Haddam, Conn.	Mapes' Potato Manure. " Corn "
Kelsey, E. R., Branford, Conn.	" Complete Manure for light soil. " " " A Brand.
Lister Agricultural Chemical Works, Newark, N. J.	" " " for general use. " Fine Bone Dissolved. " Ground Bone.
Mapes' Formula & Peruvian Guano Co., 158 Front St., New York.	" Tobacco Manure, Conn. Brand. " " " for use with stems. " Grass and Grain Spring Top Dressing.
Meyer, C., Jr., Maspeth, L. I.	Mapes' Peruvian Guano. Acme Fertilizer, No. 1. " " No. 2.
Miles, G. W., Agent, Milford, Conn.	Fish and Potash, Fish Brand. I. X. L. Ammoniated Bone Superphosphate.
Miller, G. W., Middlefield, Conn.	Flour of Bone Phosphate. Pure Ground Bone.
Mitchell, A., Tremley, N. J.	Standard Phosphate.
National Fertilizer Co., Bridgeport, Conn.	Chittenden's Complete Fertilizer. " Ammoniated Bone Phosph.
Newton & Ludlam, 182 Front St., N. Y.	Chittenden's Fish and Potash. " Ground Bone. Cereal Fertilizer. Cecrops or Dragon's Tooth Fertilizer.

<i>Firm.</i>	<i>Brand of Fertilizer.</i>
Orient Guano Manufacturing Co., Orient, L. I.	Orient Complete Manure.
Peck Bros., Northfield, Conn.	Fish and Potash.
Prentice, Charles, Putnam, Conn.	Pure Ground Bone.
	Potato Phosphate.
	Phosphate.
	Ground Bone.
Preston Fertilizer Co., Green Point, L. I.	Ammoniated Bone Superphosphate.
	Ground Bone.
Quinnipiac Co., New London, Conn.	Quinnipiac Phosphate.
	Pine Island Ammoniated Phosphate.
	Fish and Potash, Crossed Fishes Brand
	" " " Plain Brand.
	Dry Ground Fish.
	Bone Meal.
	Potato Manure.
	Muriate of Potash.
Rogers & Hubbard Co., Middletown, Ct.	Ground Bone, Grade A.
Rogers & Hubbard Co., Middletown, Ct.	Ground Bone, Grade AX.
	Fairchild's Formula, Bone and Potash.
	Fairchild's Formula.
Ruth, R. J. & Co., 88 Wall St., N. Y.	Good Luck Guano.
Sanderson, L., 113 Long Wharf, New Haven, Conn.	Sulphate of Ammonia.
	Dried Blood.
	Dissolved Bone Black.
	Ground Bone.
	Kainite.
	Muriate of Potash.
	Sulphate of Potash.
	Nitrate of Soda.
	Tankage.
Shoemaker, M. L. & Co., Philadelphia, by F. Ellsworth, Hartford, Conn.	Swift Sure Superphosphate.
	" " Bone Meal.
Soluble Pacific Guano Co., Gildden & Curtis, agents, Boston, Mass.	Soluble Pacific Guano.
Standard Fertilizer Co., 30 Kilby Street, Boston, Mass.	Fish and Potash.
	Standard Superphosphate.
St. Louis Lead & Oil Co., St. Louis, Mo., by Olds & Whipple, Hartford, Conn.	St. Louis Lead & Oil Co.'s Castor Pomace.
Wilkinson & Co., 239 Center St., N. Y.	Wilkinson's Economical Bone Fertilizer.
	" Ammoniated Superphosphate.
Williams & Clark Co., Hanover Square, New York.	Americus Bone Superphosphate.
	" Potato Fertilizer.
	" Bone Meal.
	" Tobacco and Onion Fertilizer.
	Royal Bone Phosphate.
	Fish and Potash.

NITROGENOUS SUPERPHOSPHATES AND GUANOS SAMPLED BY THE STATION.

Station No.	Name or Brand.	Manufacturer.	Dealer.	Dealer's cash price average cash price per ton.	Manufacturer's statement of average cash price per ton.
2010	Quinnipiac Dry Ground Fish.	Quinnipiac Co., New London, Ct.	R. B. Bradley & Co., New Haven.	----- \$37.00	\$37.00
1912	Fish Scrap.		Olds & Whipple, Hartford, D. C. Wood, Stratford. L. Sanderson, Long Wharf, New Haven.	38.00 35.00	35.00
1918 2046	Swift Sure Superphosphate. Fish and Potash, Plain Brand.	M. L. Shoemaker & Co., Phila. Quinnipiac Co., New London, Ct.	F. Ellsworth, Hartford. Wilson & Burr, Middletown. P. & G. M. Williams, New London. R. B. Bradley & Co., New Haven.	38.00 28.00 26.00	38.00 28.00
1937 2079	Kelsey's Fish and Potash. Pure Fine Bone Dissolved in Sulphuric Acid.	E. R. Kelsey, Branford, Conn. Mapes' Formula and Peruvian Guano Co., 158 Front St., N. Y.	M. S. Baldwin, Meriden. Mapes' Branch, Hartford. Strong & Backus, Colchester. Mapes' Branch, Hartford.	----- 22.00 35.00 36.00	----- 35.00
2065	Peruvian Guano, Cargo Jonas.	Mapes' Formula and Peruvian Guano Co., 158 Front St., N. Y.		47.00	47.00
1969	Quinnipiac Phosphate.	Quinnipiac Co., New London, Ct.	R. B. Bradley & Co., New Haven. E. A. Godfrey, Southport. D. B. Mansfield, Campville. J. F. Silliman, New Canaan. R. N. Birchard, Darien.	----- 36.00 36.00 38.00	36.00
1965	A. A. Ammoniated Superphosphate.	H. J. Baker & Bro., 215 Pearl St., New York.	R. B. Bradley & Co., New Haven. C. O. Jelliff & Co., Southport. Dennis Fenn, Milford. Allen Betts, Norwalk. S. J. Hall, Meriden.	----- 37.50 37.50 37.50	37.00
2025	Standard Superphosphate of Lime.	Lister Fertilizer and Chemical Works, Newark, N. J.	E. A. Brock & Co., Willimantic. J. O. Fox & Co., Putnam. S. J. Hall, Meriden. A. N. Clark, Milford. Martin Bros., Wallingford.	----- 35.00 31.00 32.00 32.00	35.00

NITROGENOUS SUPERPHOSPHATES AND GUANOS SAMPLED BY THE STATION—Continued.

Station No.	Name or Brand.	Manufacturer.	Dealer.	Dealer's cash price per ton.	Manufacturer's statement of average cash price per ton.
1988	Farmer's New Method Fertilizer.	Bradley Fertilizer Co., 27 Kilby St., Boston, Mass.	T. Pease & Sons Co., Windsor Locks.	\$34.00	\$34.00
			Strong & Tanner, Winsted.	34.20	
			D. N. Clark & Sons, Milford.	34.00	
			Beach & Son, New Milford.	35.00	
			J. L. Butler, Torrington.	----	
2038	Acme Fertilizer, No. 2.	C Meyer, Jr., Maspeth, L. I.	A. S. Russell & Co., Meriden.	47.00	45.00
2052	Fish and Potash, Triangle A Brand.	Bradley Fertilizer Co., 27 Kilby St., Boston, Mass.	J. H. Ives, Danbury.	45.00	
2045	Pine Island Phosphate.	Quinnipiac Co., New London, Conn.	A. H. Dimond, Bethel.	33.00	----
2011	Mapes' Complete Manure for General Use.	Mapes' Formula and Peruvian Guano Co., 158 Front St., N. Y.	H. J. Standitt, New Hartford.	30.00	32.00
			D. C. Wood, Stratford.	30.00	
			R. B. Bradley & Co., New Haven.	----	41.00
			Mapes' Branch, Hartford.	41.00	
			Birdsey & Foster, Meriden.	42.50	
1971	Americus Brand, Ammoniated Bone Superphosphate.	Williams & Clark Co., Hanover Square, New York.	Southington Lumber and Feed Co., Southington.	41.50	
			J. O. Fox & Co., Putnam.	41.00	
			Dunham & Co., Cheshire.	42.00	
			Dean & Horton, Stamford.	42.00	
			J. F. Silliman, New Canaan.	38.00	36.00
2108	Chittenden's Ammoniated Bone Superphosphate.	National Fertilizer Co., Bridgeport, Conn.	Atwood & Wilson, Watertown.	36.00	
			E. M. Jennings, Southport.	35.00	
			R. B. Bradley & Co., New Haven.	----	
			Soule & Staub, New Milford.	38.00	
			G. W. Eaton, Plainville.	34.00	----
			W. W. Cooper, Suffield.	34.00	
			L. N. Currier, Bridgeport.	35.00	

NITROGENOUS SUPERPHOSPHATES AND GUANOS SAMPLED BY THE STATION—Continued.

Station No.	Name or Brand.	Manufacturer.	Dealer.	Dealer's cash price per ton.	Manufacturer's statement of average cash price per ton.
2028	Fish and Potash.	Bowker Fertilizer Co., 43 Chatham Street, Boston, Mass.	T. Pease & Sons Co., Windsor Locks, H. K. Brainerd, Thompsonville.	\$33.00 30.00	\$30.00
2111	Acme Fertilizer, No. 1.	C. Meyer, Jr., Maspeth, Long Island.	Dunham & Co., Cheshire.	33.00 45.00	45.00
1972	Extra Fine Ground Bone with Potash, Circle Brand.	Bradley Fertilizer Co., 27 Kilby Street, Boston, Mass.	Lockwood Bros., Watertown.	32.00	32.00
2095	Fish and Potash.	G. W. Miles, Agent for John Guyer, Milford, Conn.	Charles Jennings & Son, Southport.	33.00	33.00*
1985	High Grade Ammoniated Bone Phosphate.	E. F. Coe, 16 Burling Slip, New York.	J. L. Butler, Torrington.	35.00	30.00
2037	Acme Fertilizer, No. 1.	C. Meyer, Jr., Maspeth, L. I.	John Guyer, New Haven.	30.00	30.00
2008	Mapes' Complete Manure for Light Soil.	Mapes' Formula & Peruvian Guano Co., 158 Front Street, New York.	Manufacturer.†	35.00	35.-38.00
			J. H. Ives, Danbury.	45.00	45.00
			Dean & Horton, Stamford.	46.00	45.00
			R. B. Bradley & Co., New Haven.	45.00	
			Birdsey & Foster, Meriden.	46.50	
			D. B. Peadsley, Southport.	45.00	
			Wilson & Burr, Middletown.	45.00	
			Mapes' Branch, Hartford.	45.00	
1968	Cliftenden's Complete Manure.	National Fertilizer Co., Bridgeport, Conn.	Allen Betts, Norwalk.	43.00	----
			W. W. Cooper, Sudfield.	45.00	
			L. N. Currier, Bridgeport.	45.00	
2034	Darling's Animal Fertilizer.	L. B. Darling & Co., Pawtucket, R. I.	J. M. Belden, New Britain.	40.00	38.00
			Dunham & Co., Cheshire.	37.50	
			E. F. Davis, Plainville.	38.00	
			Olds & Whipple, Hartford.	40.00	
			J. W. Cutler, Putnam.	38.00	
			L. A. Hall, South Coventry.	38.00	
			N. C. Barker & Co., Lebanon.	38.00	

* Sold in small lots.

† Sampled from a lot bought by a number of farmers in Middlefield.

NITROGENOUS SUPERPHOSPHATES AND GUANOS SAMPLED BY THE STATION—Continued.

Station No.	Name or Brand.	Manufacturer.	Dealer.	Dealer's cash price per ton.	Manufacturer's average cash price per ton.
2023	Bay State Fertilizer.	Clark's Cove Guano Co., New Bedford, Mass.	J. B. Carman, South Coventry. R. H. Hall, East Hampton. E. C. Dennis, Stafford. J. H. Ives, Danbury. A. L. Chamberlain, Fair Haven.	\$38.00 38.00 38.00 40.00 38.00	----
2047	Fish and Potash.	Soluble Pacific Guano Co., Boston, Mass.	W. H. Tucker, Lebanon. B. Curtis & Son, Stepney Depot.	32.00 33.00	----
1999	Fish and Potash, Crossed Fishes Brand.	Quinnipiac Co., New London, Conn.	J. F. Siliman, New Canaan. S. N. Osborn, Easton. Wilson & Burr, Middletown. D. B. Mansfield, Campville. R. B. Bradley & Co., New Haven. Olds & Whipple, Hartford.	38.00 38.00 35.00 36.00 35.00	\$35.00
1966	High Grade Ammoniated Bone Superphosphate.	E. F. Coe, 16 Burling Slip, New York.	Wheeler & Howes, Bridgeport. Simon Banks, Southport. Allen Betts, Norwalk. Walker & Nutting, Waterbury. W. W. Cooper, Suffolk. G. W. Eaton, Plainville. T. H. Eldredge, Norwich. David Fitzgerald, Stratford. Apothecaries Hall Co., Waterbury.	37.00 35.00 34.00 33.00 38.00 35.00 34.00 35.00 33.25 26.00	35.-38.00
2022	Chittenden's Fish and Potash.	National Fertilizer Co., Bridgeport, Conn.			----
2119	Victor Phosphate.	Made for the Apothecaries Hall Co., Waterbury.			----
2074	Darling's Extra Phosphate.	L. B. Darling Fertilizer Co., Pawtucket, R. I.	J. P. Barstow & Co., Norwich. Olds & Whipple, Hartford.	36.00 38.00	38.00
2032	Unicorn Ammoniated Superphosphate.	Clark's Cove Guano Co., New Bedford, Mass.	A. L. Chamberlain, Fair Haven.	34.20	----

NITROGENOUS SUPERPHOSPHATES AND GUANOS SAMPLED BY THE STATION—Continued.

Station No.	Name or Brand.	Manufacturer.	Dealer.	Dealer's cash price per ton.	Manufacturer's statement of average cash price per ton.
2003	Ammoniated Bone Superphosphate.	Crocker Fertilizer and Chemical Works, Buffalo, N. Y.	J. M. Belden, New Britain. J. H. Reay, Greenwich. E. T. Morehouse, New Hartford. Sherman Foote, Brookfield Centre. Dennis Fenn, Milford. Jas. Greenfield, New London.	\$40.00 35.00 40.00 35.00 32.50 32.50	---
2018	Pelican Bone Fertilizer.	H. J. Baker & Bro., 215 Pearl St., New York.	Beach & Son, New Milford. Peck Bros., Northfield.	38.00 38.00	\$32.50
1975	Patent Superphosphate of Lime.	Bradley Fertilizer Co., 27 Kilby St., Boston, Mass.	Lockwood Bros., Watertown. J. L. Butler, Torrington. D. N. Clark & Sons, Milford. O. A. Hubbell, Harwinton. Wilson & Burr, Middletown. Walker & Nutting, Waterbury. Raymond Bros., Norwalk. Strong & Tanner, Winsted. A. A. Hubbard, Canaan. Southington Lumber and Feed Co., Southington.	36.00 ---- 37.00 ---- 38.00 38.00 38.00 38.00 38.00 38.50	37-38
2009	Mapes' Complete Manure, A Brand.	Mapes' Formula and Peruvian Guano Co., 158 Front St., New York.	Dunham & Co., Cheshire. J. E. Dean, Winsted. A. F. Roberts, Lakeville. J. O. Fox & Co., Putnam. Birdsey & Foster, Meriden. Dean & Horton, Stamford. Mapes' Branch, Hartford. Wilson & Burr, Middletown. R. B. Bradley & Co., New Haven.	39.00 40.00 38.00 40.00 39.50 40.00 38.00 38.00	38.00

NITROGENOUS SUPERPHOSPHATES AND GUANOS SAMPLED BY THE STATION—Continued.

Station No.	Name or Brand.	Manufacturer.	Dealer.	Dealer's cash price per ton.	Manufacturer's statement of average cash price per ton.
2019	Hill and Drill Phosphate.	Bowker Fertilizer Co., 43 Chatham St., Boston, Mass.	Dunham & Co., Cheshire. Brewster & Burnett, Norwich. Southington Lumber and Feed Co., Southington.	\$40.00 38.00 37.50	\$30.00
2020	Bowker Ammoniated Bone Phosphate.	Bowker Fertilizer Co., 43 Chatham St., Boston, Mass.	R. S. Converse, Stafford. Jas. Greenfield, New London. Dunham & Co., Cheshire. Jas. Greenfield, New London.	38.00 37.50 35.00 35.00	32.00
2044	Ammoniated Bone Superphosphate.	Preston Fertilizer Co., Greenpoint, Brooklyn, L. I.	Hubbell & Bradley, Saugatuck. Brewster & Burnett, Norwich. A. L. Hodges, Roxbury Station. J. B. Merrow & Sons, Merrow Station.	32.00 38.00 33.00 34.00	----
2115 2042 1974	Ammoniated Superphosphate. Fish and Potash. Alkaline Bone.	Russell Coe, Tremley, N. J. G. W. Miles, Milford. E. Frank Coe, 16 Burling Slip, New York.	Wilson & Burr, Middletown. Simon Banks, Southport. Wheeler & Howes, Bridgeport. J. F. Silliman, New Canaan. Allen Betts, Norwalk.	30.00 32.00 35.00 32.00 29.00	---- 32-34
2014	Cumberland Superphosphate.	Cumberland Bone Co., Portland, Me.	C. P. Capron, Norwich Town. Brainerd & Childs, New London. J. W. Outler, Putnam.	38.00 40.00 38.00	38.00
2021	Original Coe's Superphosphate of Lime.	Bradley Fertilizer Co., 27 Kilby St., Boston, Mass.	T. Pease & Sons Co., Windsor Locks.	36.00	34-35
2013	Improved Blood Guano.	Dambmann Bros. (Ed. F. Cook, Agt.), Baltimore, Md.	W. Dudley, Guilford. Champion & Caulkins, Lyme.	35.00 35.00	30-35
2048	Royal Bone.	Williams & Clark Co., Hanover Square, New York City.	Hale, Day & Co., So. Manchester. L. W. Dart, Niantic. Strong & Backus, Colchester. A. P. Smith & Sons, Lebanon.	30.00 30.00 29.00 27.00	----

NITROGENOUS SUPERPHOSPHATES AND GUANOS SAMPLED BY THE STATION—Continued.

Station No.	Name or Brand.	Manufacturer.	Dealer.	Dealer's cash price per ton.	Manufacturer's statement of average cash price per ton.
1987	Standard Superphosphate.	Standard Fertilizer Co., 118½ Milk St., Boston, Mass.	Allen Wilson, Suffield.	\$38.00	----
1977	Good Luck Guano.	R. J. Ruth & Co., New York.	H. J. Mattoon, Watertown.	36.00	----
2031	Great Planet A. Manure.	Clark's Cove Guano Co., New Bedford.	H. L. Hall, 2d, Wallingford. J. H. Ives, Danbury. A. L. Chamberlain & Co., Fair Haven.	36.00 46.00 45.60	----
2067	Oecrops or Dragon Tooth Fertilizer.	Newton & Ludlam, 182 Front St., New York.	D. N. Benton, Guilford.	41.50	----
2034	Common Sense Fertilizer, No. 2.	Common Sense Fertilizer Co., 42 Congress St., Boston, Mass.	E. Fly, Putnam. W. H. Cardwell, Norwich. Jas. Greenfield, New London.	35.00 35.00 35.00	----
2066	Cereal Fertilizer.	Newton & Ludlam, 182 Front St., New York.	J. E. Littlefield, Niantic. D. N. Benton, Guilford.	34.00 31.50	--
2088	I. X. L. Ammoniated Superphosphate.	G. W. Miles, Agent, Milford, Conn.	John Guyer, New Haven.	33.00	\$33.00
1986	Red Brand Excelsior Guano.	E. Frank Coe, 16 Burling Slip, New York.	Manufacturer.*	45.00	45.00
2075	Fish and Potash.	Orient Guano Manufacturing Co., Orient, L. I.	J. E. Dean, Winsted.	37.50	----
2033	Ammoniated Bone Superphosphate.	Russell Coe, Tremley, N. J.	Wilson & Burr, Middletown.	30.00	----
2039	I. X. L. Ammoniated Bone Superphosphate.	G. W. Miles, Milford, Conn.	W. Sardam, Canaan. Platt & Merwin, Milford. J. P. Barstow, Norwich.	36.00 30.00 32.00	----

* Sampled from a lot bought by a number of farmers in Middlefield.

NITROGENOUS SUPERPHOSPHATES AND GUANOS SAMPLED BY THE STATION—*Continued.*

Station No.	Name or Brand.	Manufacturer.	Dealer.	Dealer's cash price per ton.	Manufacturer's statement of average cash price per ton.
1970	Soluble Pacific Guano.	Glidden & Curtis, Agents, Boston, Mass.	Wm. M. Perry & Co., Stratford. H. A. Stillman, Hartford. A. A. Hubbard, Canaan.	38.00 38.00 38.00	-----
2043	Standard Superphosphate.	A. Mitchell, Tremley Pt., Staten Island.	Balch & Platt, W. Winsted. Talcott & Alvord, Torrington.	38.00 37.00	
2015	Orient Complete Manure.	Hull & Sweet, Coventry. Orient Guano Co., Orient, L. I.		38.00	\$36.00
1997	Economical Bone Fertilizer.	Wilkinson & Co., 239 Center St., New York.	J. E. Dean, Winsted. M. G. Morse, Guilford. G. W. Eaton, Plainville.	30.00 30.00 33.00	-----
2053	High Grade Fish Guano and Potash.	G. H. Loomis, Chestnut Hill. New York.		35.00	-----
2016	Economical Bone Fertilizer.	Hall, Hornbeck & Co., Falls Village. Wilkinson & Co., 239 Center St., New York.		35.00	-----
1996	Ammoniated Superphosphate.	Wilkinson & Co., 239 Center St., New York.	A. L. Anderson & Son, Tolland. Ferris & Nolan, Stamford.	32.00 38.00	-----

ANALYSES OF NITROGENOUS SUPERPHOSPHATES AND GUANOS SAMPLED BY THE STATION.

Station No.	Name or Brand.	Nitrogen.					Phosphoric Acid.					Potash.		Chlorine.	Cost per ton.	Valuation per Ton.	Percentage Difference between Cost and Valuation.
		Nitrogen as Nitrates.	Nitrogen as Ammonia.	Organic Nitrogen.	Total Nitrogen Found.	Nitrogen Guaranteed.	Soluble.	Reverted.	Insoluble.	Total Found.	Total Guaranteed.	Found.	Guaranteed.				
2010	Quinupiac Dry Ground Fish	---	---	8.97	8.97	7.5	.80	5.50	.88	7.18	---	---	---	---	\$37.00	\$41.40	10.74
1912	Sanderson's Fish Scrap	---	---	7.96	7.96	6.6	.98	3.95	1.35	6.28	6.0	---	---	---	35.00	36.16	3.24
1918	Swift Sure Superphosphate	.74	---	2.45	3.19	2.5	9.06	3.45	2.27	14.78	---	12.51	9.0	4.79	38.00	37.25	2.0
2046	Fish and Potash, Plain Brand	---	.65	3.15	3.80	2.0	1.01	4.33	1.86	7.20	6.0	5.34	4.0	4.83	28.00	26.65	5.0
1957	Kelsey's Fish and Potash	---	---	3.78	3.78	2.5	1.17	1.77	.24	3.18	3.0	2.94	---	3.32	22.00	20.72	6.1
2079	Mapes' Pure Fine Bone Dissolved in Sulphuric Acid.	---	---	1.89	1.89	2.1	5.76	10.88	.76	17.40	---	16.64	12.0	---	35.00	32.62	8.8
2065	Peruvian Guano, cargo Jonas	.11	2.13	1.05	3.29	3.9	4.23	9.90	8.19	22.32	22.9	14.13	---	5.01	47.00	42.77	9.8
1969	Quinupiac Phosphate	.51	trace	2.73	3.24	2.7	7.24	4.37	1.83	13.44	---	11.61	9.0	2.61	36.00	32.65	10.2
1965	Baker's A. A. Ammoniated Superphosphate	---	2.87	.50	3.37	2.5	11.73	.44	.13	12.30	---	12.17	10.0	2.94	37.50†	33.80	10.9
2025	Lister's Standard Superphosphate of Lime	---	---	.96	2.16	2.3	10.59	1.07	.70	12.36	---	11.66	10.0	1.63	32.50	27.92	16.4
1988	Farmer's New Method Fert	---	.14	2.29	2.43	1.7	8.36	1.68	2.56	12.60	10.0	10.04	8.0	3.32	34.00	28.77	18.2
2038	Acme Fertilizer, No. 2	---	4.94	.58	5.52	5.0	7.09	1.13	.21	8.43	8.5	8.22	8.0	6.35	45.00	37.89	18.8
2052	Fish and Potash, Triangle Brand	---	.69	3.09	3.78	2.0	2.80	3.34	2.53	8.67	6.0	6.14	4.0	3.99	33.00	27.63	19.5
2045	Pine Island Phosphate	---	.45	1.98	2.43	2.0	5.78	4.25	1.31	11.34	---	10.03	9.0	1.94	32.00	26.57	20.4
2011	Mapes' Complete for General Use	.79	.91	1.92	3.62	3.3	5.44	4.12	3.78	13.34	10.0	9.56	---	4.87	41.00	33.88	21.0
1971	Americus Brand Ammoniated Bone Superphosphate	---	.79	1.87	2.66	2.0	9.20	1.71	.55	11.46	11.0	10.91	---	2.49	36.00	29.67	21.3
2108	Chittenden's Ammoniated Bone Superphosphate	.08	---	2.48	2.56	1.7	7.22	3.18	1.57	11.97	9.0	10.40	7.0	1.99	34.00	27.89	21.9

* As Sulphate.

† Valuation exceeds Cost.

‡ Manufacturer quotes \$37, which would make the percentage difference 9.4.

ANALYSES OF NITROGENOUS SUPERPHOSPHATES AND GUANOS SAMPLED BY THE STATION—Continued.

Station No.	Name or Brand.	Nitrogen.						Phosphoric Acid.						Potash.		Chlorine.	Cost per Ton.	Valuation per Ton.	Percentage Difference between Cost and Valuation.
		Nitrogen as Nitrates.	Nitrogen as Ammonia.	Organic Nitrogen.	Total Nitrogen Found.	Nitrogen Guaranteed.	Soluble.	Reverted.	Insoluble.	Total Found.	Total Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.				
2028	Bowker's Fish and Potash.	---	---	2.54	2.54	2.3	1.86	2.92	7.96	12.74	8.0	4.78	---	4.19	4.0	3.83	\$30.00	\$24.59	22.0
2111	Acme Fertilizer, No. 1	---	3.25	1.12	4.37	3.7	7.72	.31	.05	8.08	---	8.03	8.0	10.12	9.0	9.03	45.00	36.75	22.4
1972	Extra Fine Ground Bone	---	---	2.04	2.04	1.9	3.00	5.16	5.42	13.58	8.0	8.16	---	3.74	2.0	5.99	32.00	26.11	22.5
2095	with Potash, Circle brand	---	.32	2.27	2.59	2.5	6.44	.68	.28	7.40	---	7.12	5.0	4.53	3.0*	3.56	30.00	24.41	22.9
1985	Miles' Fish and Potash	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2037	High Grade Ammoniated Bone Phosphate	---	.95	1.37	2.32	2.1	9.12	1.75	1.18	12.05	11.0	10.87	9.0	2.17	3.0*	.22	35.00	28.36	23.4
2008	Acme Fertilizer, No. 1	---	3.98	.67	4.65	3.7	7.36	1.06	.23	8.65	---	8.42	8.0	7.67	9.0	5.14	45.00	36.31	23.9
1968	Mapes' Complete for Light Soils	1.37	2.59	1.41	5.37	5.0	2.97	3.20	3.31	9.48	7.0	6.17	---	7.50	6.0	6.62	45.00	36.30	23.9
2034	Chittenden's Complete Fertilizer	.30	.65	2.97	3.92	3.7	4.90	4.87	4.71	14.48	8.0	9.77	6.0	5.07	6.0	2.91	45.00	36.22	24.2
2023	Darling's Animal Fertilizer	.45	.37	2.83	3.65	3.3	2.68	4.65	3.63	10.96	10.0	7.33	---	5.19	4.0	5.54	38.00	30.50	24.6
2047	Bay State Fertilizer	---	.91	1.70	2.61	2.0	8.68	2.05	1.88	12.61	10.0	10.73	8.0	2.95	2.0	76	38.00	30.22	25.7
1999	Pacific Guano Co's Fish and Potash	---	.37	1.97	2.34	2.5	4.89	3.22	1.39	9.50	6.0	8.11	4.0	4.92	4.0	8.69	32.50	25.85	25.7
1966	Fish and Potash, Crossed Fishes Brand.	---	.65	3.46	4.11	3.3	.91	4.73	1.75	7.39	5.0	5.64	3.0	5.02	3.0	6.18	36.00	28.27	27.3
2022	E. F. Coe's Ammoniated Bone Superphosphate	---	.56	1.70	2.26	2.0	8.26	2.02	1.91	12.19	11.0	10.28	9.0	1.96	3.0*	trace	35.00	27.47	27.4
2119	Chittenden's Fish and Potash	---	.21	3.32	3.53	3.3	.65	5.02	3.29	8.96	6.0	5.67	---	4.82	5.0	9.22	34.50	27.00	27.7
2074	Victor Phosphate	---	---	1.07	1.07	---	7.04	1.72	1.21	9.97	---	8.76	---	2.36	---	2.49	26.00	20.33	27.8
	Darling's Extra Phosphate.	.41	.57	1.85	2.83	2.5	6.23	3.47	1.60	11.30	10.0	9.70	7.0	3.33	3.0	3.19	37.00	28.75	28.7

* As Sulphate.

† See Explanatory note in this Bulletin.

ANALYSES OF NITROGENOUS SUPERPHOSPHATES AND GUANOS SAMPLED BY THE STATION—Continued.

Station No.	Name or Brand.	Nitrogen.					Phosphoric Acid.						Potash.		Chlorine.	Cost per Ton.	Valuation per Ton.	Percentage Difference between Cost and Valuation.	
		Nitrogen as Nitrates.	Nitrogen as Ammonia.	Nitrogen Organic.	Total Nitrogen Found.	Nitrogen Guaranteed.	Soluble.	Reverted.	Insoluble.	Total Found.	Total Guaranteed.	Available.							
												Found.	Guaranteed.						
2032	Unicorn Ammoniated Superphosphate	---	.05	2.18	2.23	2.1	6.32	3.15	2.67	12.14	10.0	9.47	8.5	2.56	2.3	1.70	\$34.20	\$26.49	29.1
2003	Crocker's Bone Superphosphate	---	---	3.11	3.11	2.9	7.87	1.96	1.25	11.08	---	9.83	8.0	2.21	1.0*	2.16	37.50	29.05	29.1
2018	Pelican Bone Fertilizer	---	1.67	.69	2.36	1.9	8.60	.41	.11	9.12	---	9.01	8.0	2.88	2.0	2.29	32.50	25.16	29.2
1975	Bradley's Patent Superphosphate of Lime	.30	---	2.55	2.85	2.3	8.05	2.12	2.38	12.55	11.0	10.17	9.0	1.91	1.5	1.93	37.50	29.00	29.3
2009	Mapes' Complete Manure, A Brand	.78	.60	1.16	2.54	2.5	5.71	4.56	3.32	13.59	---	10.26	10.0	3.19	2.5	3.58	38.00	29.34	29.5
2019	Hill and Drill Phosphate	---	.23	2.33	2.56	2.5	8.45	2.23	3.19	13.87	12.0	10.68	---	1.75	2.0	2.52	38.00†	29.23	30.0
2020	Bowker's Ammoniated Bone Phosphate	---	---	1.95	1.95	2.0	8.74	1.36	1.99	12.09	11.0	10.10	10.0	1.57	2.0	1.79	33.00§	25.36	30.1
2044	Preston's Bone Superphosphate	---	---	2.57	2.57	2.5	5.35	1.99	2.83	10.17	---	7.34	9.0	3.25	2.0	.73	33.50	25.58	30.9
2115	Russell Coe's Ammoniated Superphosphate	---	.70	1.07	1.77	2.0	6.75	2.51	.99	10.25	10.0	9.26	8.0	1.69	1.0	5.60	30.00	22.80	31.6
2042	Miles' Fish and Potash	---	---	2.23	2.23	2.5	7.56	.67	.28	8.51	---	8.23	5.0	3.51	3.0*	2.45	32.00	24.14	32.5
1974	E. Frank Coe's Alkaline Bone	---	---	1.22	1.22	1.0	7.30	2.74	2.90	12.94	---	10.04	9.0	2.04	3.0*	trace	32.00	24.04	33.1
2014	Cumberland Superphosphate	.63	.05	1.73	2.41	2.0	6.00	2.71	4.65	13.36	11.0	8.71	8.0	3.94	2.0	1.66	38.00	28.49	33.3
2021	Original Coe's Superphosphate of Lime	---	---	2.32	2.32	2.1	7.67	2.35	2.54	12.56	10.0	10.02	8.0	1.77	1.0	1.76	36.00†	26.93	33.7
2013	Improved Blood Guano	.66	.55	1.11	2.32	1.6	7.44	2.16	1.21	10.81	---	9.60	8.0	2.73	2.0	3.04	35.00	26.11	34.0
2018	Royal Bone	---	---	1.53	1.53	.3	6.33	2.12	.47	8.92	8.0	8.45	---	2.54	2.0	.36	29.00	21.63	34.0

* As Sulphate.

† Manufacturer quotes \$34.00, which would make the percentage difference 28.1.

‡ Manufacturer quotes \$36.00, which would make the percentage difference 23.1.

§ Manufacturer quotes \$32.00, which would make the percentage difference 26.1.

ANALYSES OF NITROGENOUS SUPERPHOSPHATES AND GUANOS SAMPLED BY THE STATION—Continued.

Station No.	Name or Brand.	Nitrogen.					Phosphoric Acid.				Potash.		Chlorine.	Cost per Ton.	Valuation per Ton.	Percentage Difference between Cost and Valuation.
		Nitrogen as Nitrates.	Nitrogen as Ammonia.	Nitrogen Organic.	Total Nitrogen.	Nitrogen Guaranteed.	Soluble.	Reverted.	Insoluble.	Total Found.	Total Guaranteed.	Found.	Available.			
												Guaranteed.	Found.			
1927	Standard Superphosphate.	---	trace	2.78	2.78	2.5*	7.20	2.24	2.50	11.94	11.0	9.44	9.0	3.57	38.00	28.21
1977	Good Luck Guano.	---	.51	1.68	2.19	3.5	8.19	1.86	1.24	11.29	---	10.05	10.0	2.47	36.00	26.14
2031	Great Planet A Manure.	---	1.54	1.80	3.34	3.3	5.47	2.43	1.39	9.29	8.3	7.90	7.0	1.64	46.00	33.22
2067	Cecrops or Dragon Tooth Fertilizer.	---	.90	1.81	2.71	3.3	7.52	1.52	2.77	11.81	---	9.04	7.0	6.65	41.50	33.22
2024	Common Sense Fertilizer.	---	---	---	---	---	---	---	---	---	---	---	---	5.24	29.95	38.5
2066	No. 2.	---	2.61	.73	3.34	2.0	.21	5.54	3.30	9.05	4.0	5.75	---	3.24	35.00	24.94
2088	Cereal Fertilizer.	---	---	1.40	1.40	1.5	7.83	2.01	2.52	12.36	12.0	9.84	10.0	2.11	32.75	23.31
1986	L. X. L. Ammoniated Superphosphate.	---	.23	1.83	2.06	---	7.06	1.81	.62	9.49	---	8.87	---	2.99	33.00	23.41
2075	Red Brand Excelsior Guano.	---	trace	3.27	3.27	3.3	7.40	1.80	1.17	10.37	10.0	9.20	---	.52	45.00	31.89
2033	Orient Fish and Potash.	---	.44	2.99	3.43	3.0	3.24	.90	.32	4.46	---	4.14	5.0	8.48	37.50	26.47
2039	Russell Coe's Ammoniated Superphosphate.	---	---	.97	.97	2.0	7.09	2.71	1.83	11.63	10.0	9.80	8.0	4.77	30.00	20.85
1970	L. X. L. Ammoniated Bone Superphosphate.	---	---	1.58	1.58	2.1	6.98	2.33	1.15	10.46	---	9.31	8.0	2.52	32.00	22.13
2043	Soluble Pacific Guano.	---	---	2.22	2.22	2.0	6.82	2.21	3.40	12.43	---	9.03	8.0	2.61	38.00	26.18
2015	Mitchell's Superphosphate.	---	---	1.99	1.99	2.1	8.30	2.49	.45	11.24	11.5	10.79	9.0	trace	38.00	25.80
1997	Orient Complete Manure.	---	.14	1.45	1.59	1.7	6.45	2.23	1.10	9.78	---	8.68	8.0	1.47	31.00	20.95
2053	Econometical Bone Fertilizer.	---	1.59	.49	2.08	1.3	5.87	1.94	.57	8.38	6.00	7.81	---	2.0*	35.00	23.59
2016	E. F. Coe's Fish Guano and Potash.	---	---	---	2.36	3.3	3.02	2.86	2.65	8.53	---	5.88	6.0	6.40	32.00	22.03
1996	Economical Bone Fertilizer.	---	.18	1.83	2.01	1.3	3.13	.66	.82	4.61	6.00	3.79	---	12.56	32.00	18.96
	Wilkinson's Superphosphate	---	.09	2.13	2.22	1.7	3.50	.39	.78	4.67	---	5.30	3.0	7.62	38.00	18.93

* As Sulphate.

SPECIAL MANURES SAMPLED BY THE STATION.

Station No.	Name or Brand.	Manufacturer.	Dealer.	Dealer's cash price average cash price per ton.	Manufacturer's statement of average cash price per ton.
2068	Fairchild's Corn Formula.	The Rogers & Hubbard Co., Middletown, Conn.	Strong & Backus, Colchester.	\$46.00	\$46.00
2030	Complete Manure for Potatoes and Vegetables.	Bradley Fertilizer Co., 27 Kilby St., Boston, Mass.	E. S. Gillette, Easton. J. A. Lewis, Willimantic.	42.00	42.00
2050	Complete Manure for Corn and Grain.	Bradley Fertilizer Co., 27 Kilby St., Boston, Mass.	Chas. Jennings & Son, Southport. J. W. Beach, Stratford.	43.00 45.00	42.00
1936	Quinnipiac Potato Manure.	Quinnipiac Co., New London, Conn.	E. A. Godfrey, Southport.	38.00	38.00
2056	Tobacco Manure for Use with Stems.	Mapes' Formula & Peruvian Guano Co., 158 Front St., New York.	Mapes' Branch, Hartford.	46.00	46.00
2057	Grass and Grain Spring Top Dressing.	Mapes' Formula and Peruvian Guano Co., 158 Front St., New York.	Birdsey & Foster, Meriden. Dean & Horton, Stamford.	44.50 44.00	43.00
2027	Stockbridge Forage Crop Manure.	Bowker Fertilizer Co., 43 Chatham St., Boston, Mass.	Brewster & Burnett, Norwich. R. S. Converse, Stafford.	42.50 42.00	40.00
1930	Mapes' Potato Manure.	Mapes' Formula & Peruvian Guano Co., 158 Front St., New York.	Southington Lumber and Feed Co., Southington. R. B. Bradley & Co., New Haven.	41.50 45.00	45.00
1993	Stockbridge Potato and Vegetable Manure.	Bowker Fertilizer Co., 43 Chatham St., Boston, Mass.	Mapes' Branch, Hartford. W. W. Cooper, Suffield.	45.00 43.00	40.00
2055	Mapes' Tobacco Manure (Conn. Brand).	Mapes' Formula & Peruvian Guano Co., 158 Front St., New York.	T. Pease & Sons Co., Windsor Locks. H. K. Brainard, Thompsonville. W. W. Cooper, Suffield.	43.00 40.00 46.00	40.00 46.00

SPECIAL MANURES SAMPLED BY THE STATION—Continued.

Station No.	Name or Brand.	Manufacturer.	Dealer.	Dealer's cash price per ton.	Manufacturer's statement of average cash price per ton.
2036	Mapes' Corn Manure.	Mapes' Formula & Peruvian Guano Co., 158 Front St., New York.	R. H. Van Deusen, Shaker Station. J. P. Barstow, Norwich. J. O. Fox & Co., Putnam. Southington Lumber and Feed Co., Southington.	\$44.00 43.00 46.00 43.00	\$43.00
2063	Baker's Special Potato Manure.	H. J. Baker & Bro., 215 Pearl St., New York.	Dunham & Co., Cheshire. Wilson & Burr, Middletown. W. W. Cooper, Suffolk.	45.00 43.00 43.00	45.00
1964	Bradley's Potato Manure.	Bradley Fertilizer Co., 27 Kilby St., Boston, Mass.	J. W. Beach, Stratford. Mather & Gruman, Darien. Burtis & Mead, New Canaan. Chas. Jennings, Southport.	38.00 38.00 40.00 38.00	38.00
2035	Lister's Potato Manure.	Lister Agricultural and Chemical Works, Newark, N. J.	A. A. Hubbard, Canaan. C. Swan, State St., Bridgeport.	38.00 45.00	----
2049	Tobacco and Onion Manure.	Williams & Clark Co., Hanover Square, New York.	A. N. Clark, Milford. N. H. Smith & Co., Norwalk. E. M. Jennings, Southport.	40.00 44.00 42.00	42.00
1973	Americus Special Fertilizer for Potatoes.	Williams, Clark & Co., New York.	D. B. Wilson & Co., Waterbury. E. M. Jennings, Southport. J. Goodman, E. Litchfield. Atwood & Wilson, Watertown.	42.00 42.00 41.50 45.00	42.00

SPECIAL MANURES SAMPLED BY THE STATION—Continued.

Station No.	Name or Brand.	Manufacturer.	Dealer.	Dealer's cash price per ton.	Manufacturer's statement of average cash price per ton.
2001	Stockbridge Grain Manure.	Bowker Fertilizer Co., 43 Chatham St., Boston, Mass.	Hubbell & Bradley, Saugatuck. T. Pease & Sons Co., Windsor Locks. Dunham & Co., Cheshire. Southington Lumber and Feed Co., Southington.	\$43.00 43.00 45.00 41.50	\$40.00
2002	Potato, Hop and Tobacco Phosphate.	Crocker Fertilizer and Chemical Co., Buffalo, N. Y.	J. S. Bragg, Canaan. J. H. Reay, Greenwich. E. T. Morehouse, New Hartford.	37.00 38.00 40.00	-----
2126	Special Potato Manure.	H. J. Baker & Bro., 215 Pearl St., New York.	J. M. Belden, New Britain. C. O. Jeliff & Co., Southport. Dennis Fenn, Milford. R. B. Bradley & Co., New Haven. C. O. Jeliff & Co., Southport. Allen Betts, Norwalk.	40.00 45.00 45.00 45.00 43.00 44.00	45.00
2064	Baker's Complete Corn Manure.	H. J. Baker & Bro., 215 Pearl St., New York.	C. O. Jeliff & Co., Southport.	45.00	45.00
2051	Bradley's Complete Top Dressing for Grass and Grain.	Bradley Fertilizer Co., 27 Kilby St., Boston, Mass.	R. B. Bradley & Co., New Haven. Burtis & Mead, New Canaan.	----- 48.00	42.00

ANALYSES OF SPECIAL MANURES SAMPLED BY THE STATION.

Station No.	Name or Brand.	Nitrogen.						Phosphoric Acid.						Potash.		Chlorine.	Cost per Ton.	Valuation per Ton.	Percentage Difference between Cost and Valuation.
		Nitrogen as Nitrates.	Nitrogen as Ammonia.	Organic Nitrogen.	Total Nitrogen found.	Nitrogen Guaranteed.	Soluble.	Reverted.	Insoluble.	Total Found.	Total Guaranteed.	Found.	Available.	Found.	Guaranteed.				
2068	Fairchild's Corn Formula	3.81	---	1.90	5.71	---	---	---	---	13.71	---	---	---	---	---	---	\$46.00	\$45.49	1.1
2030	Bradley's Complete Manure for Potatoes and Veg'bles	.62	1.06	2.31	3.99	3.8	9.31	1.89	.54	11.74	---	6.08	8.0	11.20	6.0	.98	42.00	38.20	9.9
2050	Bradley's Complete Manure for Corn and Grain	.79	.51	3.26	4.56	3.7	8.02	1.57	.69	10.28	10.0	7.14	9.0	9.59	5.5	4.72	42.00	37.62	11.6
1936	Quinnipiac Potato Manure.	.52	.69	2.91	4.12	3.3	3.42	4.08	2.20	9.70	---	6.36	5.0	7.50	6.0	.93	38.00	33.87	12.2
2056	Mapes' Tobacco Manure for Use with Stems	.66	2.41	2.43	5.50	5.4	7.82	2.95	1.45	12.22	10.5	3.86	---	10.77	3.5	.37	46.00	40.99	12.2
2057	Mapes' Grass and Grain Top Dressing	.83	1.87	1.94	4.64	4.1	5.97	4.66	1.68	12.31	7.0	6.50	---	10.63	5.0	5.91	44.00†	39.07	12.6
2027	Stockbridge Forage Crop	.51	2.36	2.79	5.66	5.5	5.86	1.41	1.78	9.05	6.0	2.85	5.0	7.27	2.5	1.58	41.50	34.84	19.1
1930	Mapes' Potato Manure.	1.61	1.55	.69	3.85	3.7	4.89	4.50	3.68	13.07	8.0	7.50	---	9.39	6.0*	.66	45.00	37.80	19.1
1993	Stockbridge Potato and Vegetable Manure	---	2.45	1.03	3.48	3.3	6.93	2.72	1.64	11.29	---	5.68	8.0	9.65	7.0	6.38	40.00	33.15	20.7
2055	Mapes' Tobacco Manure [Conn. Brand]	.54	2.69	1.42	4.65	4.7	6.97	1.20	.24	8.41	7.8	7.53	---	8.17	7.8	.44	46.00	37.34	23.2
2036	Mapes' Corn Manure	1.14	1.29	1.51	3.94	3.7	5.37	3.97	3.08	12.42	10.0	6.77	---	9.34	6.0	6.26	43.00	35.60	23.6
1964	Bradley's Potato Manure	.42	---	2.68	3.10	2.7	6.04	1.71	2.22	9.97	8.0	7.75	6.0	7.75	6.0	3.76	38.00	29.81	27.5
2035	Lister's Potato Manure	.61	1.85	1.66	4.12	3.7	8.22	.41	.12	8.75	---	5.90	8.5	8.63	7.0	4.42	42.50	33.12	28.3

* As Sulphate.

§ As Muriate.

† Manufacturer quotes \$43 which would make the percentage difference 10.0.

ANALYSES OF SPECIAL MANURES SAMPLED BY THE STATION—Concluded.

Station no.	Name or Brand.	Nitrogen.						Phosphoric Acid.						Potash.		Chlorine.	Cost per Ton.	Valuation per Ton.	Percentage Difference between Cost and Valuation.
		Nitrogen as Nitrates.	Nitrogen as Ammonia.	Organic Nitrogen.	Total Nitrogen found.	Nitrogen Guaranteed.	Soluble.	Reverted.	Insoluble.	Total Found.	Total Guaranteed.	Found.	Guaranteed.						
2049	Williams, Clark & Co.'s Tobacco and Onion Manure.	---	1.75	2.88	4.63	4.0	3.93	1.22	.65	5.80	5.0	5.15	---	7.19	8.0	.54	\$42.00	\$22.45	29.4
1973	Americus Special for Potatoes	---	2.04	1.36	3.40	3.3	5.60	1.44	.33	7.37	7.0	7.04	---	8.10	8.0	trace	42.00	32.13	30.7
2001	Stockbridge Grain Manure.	---	1.39	1.88	3.27	3.3	7.89	2.10	1.77	11.76	7.0	9.99	6.0	3.95	4.0	4.32	41.50†	31.63	31.2
2002	Potato, Hop and Tobacco Phosphate.	---	trace	2.47	2.47	2.0	8.21	2.44	.66	11.31	---	10.65	8.0	3.96	3.5	3.64	39.00	29.22	33.4
2126	Baker's Special Potato Manure.	---	3.25	.56	3.81	3.3	6.12	.55	.18	6.84	---	6.67	5.8	9.98	10.0	4.96	45.00	33.39	34.7
2064	Baker's Complete Corn Manure.	---	3.58	.74	4.32	5.0	6.57	.46	.16	7.19	---	7.03	6.3	8.08	7.0	11.03	45.00	33.29	35.2
2051	Bradley's Complete Top Dressing for Grass and Grain	4.15	---	.38	4.53	4.1	4.99	2.96	2.98	10.93	7.0	7.95	6.0	5.62	5.0	trace	48.00	35.00	37.1

† Manufacturer quotes \$40 which would make the percentage difference 26.4.





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